Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/14/2020 09:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124955	-1	1.93	125105	1.91
Blue	F	SSC	125000	124987	-1	1.65	125821	1.64
Blue	E	FITC	16433	16067	-3	2.76	350	19.56
Blue	D	PE	27595	27498	-1	1.94	599	14.38
Blue	B	PerCP-Cy5-5	43183	43097	-1	3.67	1157	20.04
Blue	A	PE-Cy7	31943	32139	0	6.18	613	39.94
Red	C	APC	42819	42182	-2	2.41	1494	12.13
Red	A	APC-Cy7	31261	30655	-2	2.33	814	11.57
Violet	B	V450	6527	6292	-4	4.71	352	13.32
Violet	A	V500	24533	23512	-5	4.55	549	10.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17868	10.46	616	16	N/A	N/A	Pass
Blue	F	SSC	56946	1.18	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	542	3	0.0210	109	Pass
Blue	D	PE	125	49.42	540	6	0.1792	302	Pass
Blue	B	PerCP-Cy5-5	214	48.39	653	11	0.0093	40	Pass
Blue	A	PE-Cy7	113	99.49	701	12	0.0114	16	Pass
Red	C	APC	356	24.96	580	-3	0.0240	111	Pass
Red	A	APC-Cy7	179	28.66	560	-3	0.0061	1396	Pass
Violet	B	V450	53	59.87	448	-7	0.0492	1871	Pass
Violet	A	V500	82	32.95	459	-8	0.0220	604	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.67	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.86	13.60 - 20.40	N/A	N/A	29.45	29.74	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10579

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments